

# First Responder Interaction Plan

waabi



# Introduction

This First Responder Interaction Plan (FRIP) is designed to help first responders interact with Waabi vehicles equipped with autonomous driving technology.

This FRIP outlines procedures for **interacting with Waabi vehicles during Supervised Autonomy missions, where a human Vehicle Operator is present in the driver seat and is able to take control of the vehicle. This plan does not cover driverless operations where the system is operated without direct human oversight.**

Updates will be issued as needed to reflect significant changes in vehicle capabilities or safety requirements. Consequently, this plan will be revised to encompass future operations conducted without a human vehicle operator.

This document is guided by industry best practices, including the AVSC standard for First Responder Interactions (AVSC-I-01-2024), and stakeholder input, and complies with the regulatory requirements of the Texas Transportation Code Sections 545.451–545.459.



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# Identifying a Waabi Truck

# Compliance and Registration

Waabi Logistics, Inc., is a registered motor carrier with the Federal Motor Carrier Safety Administration (FMCSA). All vehicles in the Waabi fleet maintain rigorous safety and maintenance records as a part of our commitment to safety.

**USDOT** 3906293  
**Address** 3005 W. Wintergreen Rd.  
Lancaster, TX 75134



# Waabi Vehicles: Two Base Platforms



Volvo VNL 860 Autonomous



Peterbilt Model 579

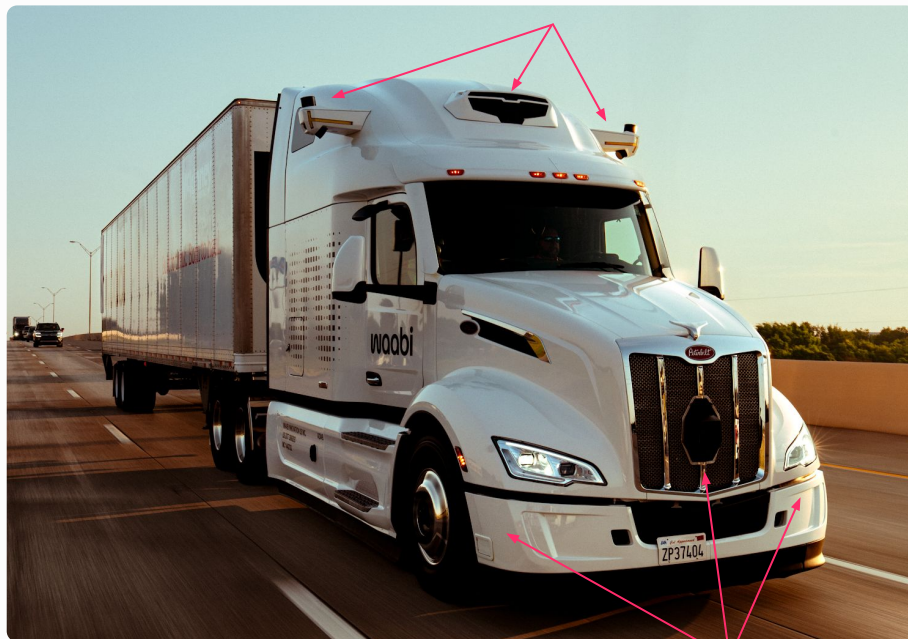
# Identifying Waabi Vehicles & Technology

Waabi uses Class 8 heavy-duty trucks, integrated with sensors and other key components, in order to test, and deploy Level 4 self-driving vehicles.

- **Sensor Suite:** LiDAR, radar, and high-resolution cameras.
- **Compute:** High performance onboard computers.
- **Mechanical Redundancy:** Purpose built redundant steering and braking systems to ensure safety even in the event of a primary system failure.
- **Software:** On board self-driving software system.

## AV-Related Hardware

LiDAR, Cameras, Radar,  
Microphones & Lights



LiDAR, Cameras & Radar

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# Operations

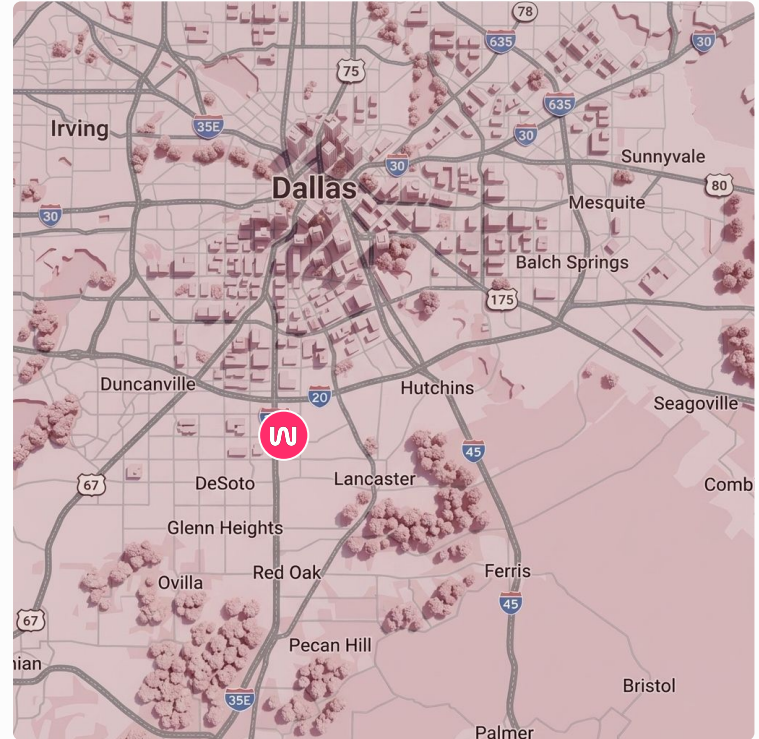
# Operational Overview

The Operational Design Domain (ODD) specifies the geographic boundaries, roadway types, and environmental conditions in which the Waabi autonomy system will operate.

Should the vehicle encounter an event outside of its ODD (i.e., the sudden arrival of extreme weather), the vehicle operator will take manual control of the vehicle.

The Waabi vehicle is currently designed to operate in the following conditions, but will quickly scale into new domains:

- Public roadways in cities, frontage roads, and freeway interstates, including I-35 and I-45 and surrounding roadways.
- All times day and night.
- Speed limits ranging from 25 to 75 mph.
- The vehicle does not currently operate in extreme weather conditions such as high winds, heavy rains, heavy fog, dust storms, snow and below freezing temperatures.



Waabi purpose-built AV trucking terminal in Lancaster, TX

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# Interacting with a Waabi Truck

# How to Interact with a Waabi Vehicle

During Waabi's Supervised Autonomy (Driver-in) testing, a minimum of two individuals will be in the cabin of the truck, acting in the following roles:

- **Vehicle Operator (Driver's seat):** A licensed professional holding a valid Commercial Driver's License for that class of vehicle, type of load (as applicable), and is capable of taking back manual control of the vehicle at any time.
- **Fleet Specialist (Passenger seat):** This individual monitors system behavior for engineering feedback.

First Responder Interactions During Supervised Autonomy:

- **Treat as a Standard Interaction:** Approach and engage with a Waabi vehicle exactly as you would with a traditional, human driven vehicle.
- **Driver Retains Full Control:** The Vehicle Operator retains full operational control of the vehicle and will serve as your primary point of contact for all necessary information.

# Waabi Mission Control Center Hotline

You will rarely need to contact Waabi Mission Control during supervised autonomy missions, as a driver will be in the vehicle to assist you.

**But should you need assistance, you can contact the hotline below.**

**1-833-469-2224**

This dedicated line connects you directly to a Waabi Remote Assistance Specialist.

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# Accessing Truck + Documents

# Retrieving Documents – Inside the Vehicle

## On Scene Primary Contact

The in-cabin Vehicle Operator or Fleet Specialist is the direct point of contact:

- Ask them directly for any required vehicle documentation.

## Remote Support: Contact Waabi Mission Control

If in-cabin representatives are unable to assist:

- Call **1-833-469-2224**
- A Remote Assistance Specialist will guide you to the document location in the cabin or provide alternative support.

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# Ensuring Autonomy is Disengaged

# Confirming Autonomy Status

The Autonomy Status Indicator communicates the systems status and is located based on the vehicle model:

**Peterbilt 579:** Directly above the steering wheel.

**Volvo VNL 860:** To the right of the driver's seat.

The visual indicator provides real-time data, but in-vehicle representatives will confirm the systems status.

- **Solid Green:** ADS Engaged
- **Solid Blue:** Manual ADS Ready to Engage
- **Solid White:** Manual NOT Ready to Engage
- **Solid Purple:** Manual & Recording Data
- **Solid Red:** ADS has a fault
- **No Light:** ADS Off



Automated Driving System Engaged



Automated Driving System Off

# Additional Ways to Confirm Autonomy is Disengaged



Example: Volvo VNL 860

## Step 1: Secure Access

If you have issues obtaining access to the cab of the vehicle, call **1-833-469-2224** to coordinate with Remote Assistance Specialist.

## Step 2: Verify Autonomy Disengagement

Once inside the cab, confirm the autonomy system is disengaged by:

- **Pushing the Big Red Button**

## Step 3: Secure the Vehicle

Engage the parking brake to ensure vehicle will remain stationary.

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# Firefighting Considerations

# Fire Extinguisher

Each Waabi truck is equipped with a fire extinguisher mounted next to the driver's seat.

All first responders should operate in accordance with current industry best practices for firefighting involving Commercial Motor Vehicles.



# Peterbilt 579 – Disconnecting Power



**Primary Location:** Access to the battery bank is located beneath the drivers side door.

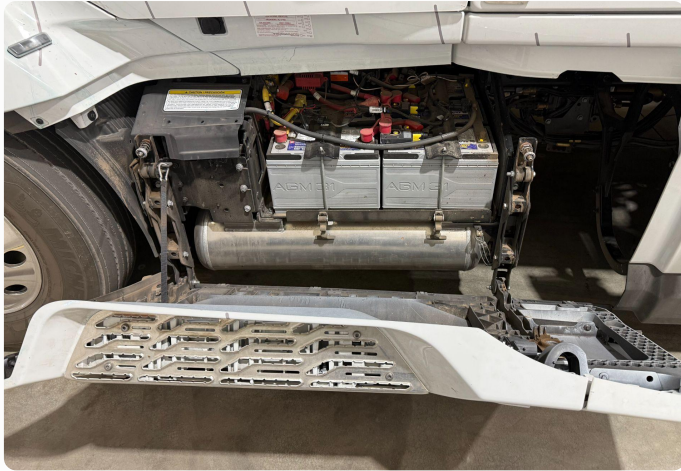


**Secondary Location:** Access to the battery bank is located under the passenger side door.

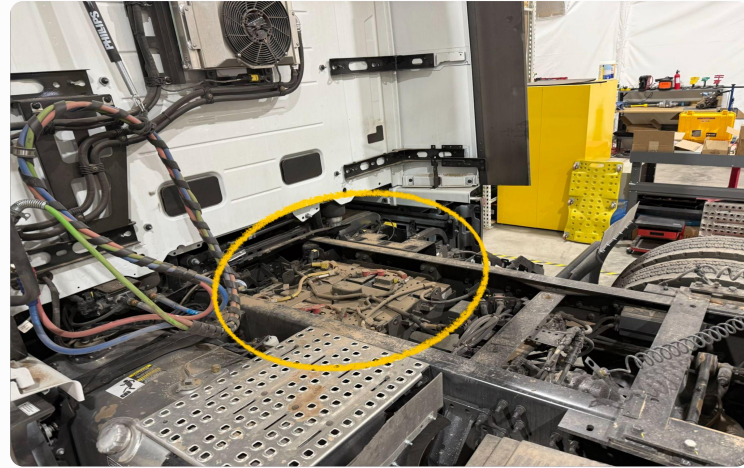
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*To align with firefighting best practices, treat Waabi trucks exactly like any other vehicle. If you have any questions contact Waabi Mission Control Center at **1-833-469-2224**.*

# Volvo VNL 860 – Disconnecting Power



**Primary Location:** Access to the battery bank is located beneath the drivers side door.



**Secondary Location:** Access to the battery bank is located under the catwalk area.

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*To align with firefighting best practices, treat Waabi trucks exactly like any other vehicle. If you have any questions contact Waabi Mission Control Center at **1-833-469-2224**.*

## Example of Do Not Cut Zones - Volvo VNL 860



### Compute System Coolant

- **Coolant Standard:** Peak Sierra Antifreeze + Coolant, is used for thermal management.
- **Additional Cooling:** There are additional cooling components located in the sleeper cab.

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To align with firefighting best practices, treat Waabi trucks exactly like any other vehicle.  
If you have any questions contact Waabi Mission Control Center at **1-833-469-2224**.

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# Towing Considerations

# Towing Considerations

## Required Equipment for Transport

- Talk to an on-scene Waabi representative, or call Waabi Mission Control at **1-833-469-2224** to coordinate all towing activities.
- The recommended method for recovering the vehicle is to tow or transport it by a certified Heavy-Duty Commercial Flatbed.

## Vehicle Preparation for Towing

A tow operator must complete these steps before connecting or moving it:

- Locate and press Emergency Stop (Big Red Button).
- Locate and engage the Tractor Protection Valve (TPV).
  - This valve controls the air supply between the tractor (truck) and the trailer and is used to set the brakes.
- Locate and shift the transmission to neutral.

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# Additional Resources

# Non-Emergency Contact Information

- Non-Emergency 1-647-556-2184
- General Email [info@waabi.ai](mailto:info@waabi.ai)
- Data Requests [legal@waabi.ai](mailto:legal@waabi.ai)
- Media Inquiries [marketing@waabi.ai](mailto:marketing@waabi.ai)
- First Responders [firstresponders@waabi.ai](mailto:firstresponders@waabi.ai)



We look forward to  
working with you for  
years to come!

